



PATENT

Case Docket No. VAST.003A

Date: July 26, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David L. Hagen et al.
App. No. : 10/763,057
Filed : January 22, 2004
For : THERMODYNAMIC CYCLES
USING THERMAL DILUENT
Group Art Unit : 3745

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 26, 2004

(Date)
Rabinder N. Narula

Rabinder N. Narula, Reg. No. 53,371

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: MAIL STOP MISSING PARTS

Dear Sir:

In response to the Notice to File Missing Parts of Application Under 37 CFR 1.53(f), which was mailed by the Office on April 28, 2004, enclosed are:

- (X) Preliminary Amendment in 3 pages.
- (XI) An executed Declaration by Inventors.
- (X) A Notice to File Missing Parts.
- (X) An extension of time to respond for 1 month is hereby requested.

Time Extension Fee:

- (X) one month (\$110 large entity)
- (X) Return prepaid postcard.

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(X) Fees as calculated below:

| | | |
|------------------------------------------|---------|---------|
| FILING FEE | | \$ 770 |
| 37 CFR 1.16(e) | | \$ 130 |
| FEE FOR EXTENSION OF TIME (LARGE ENTITY) | 1 month | \$ 110 |
| ADDITIONAL CLAIM FEES | | \$ 3970 |
| TOTAL FEES SUBMITTED HEREWITH | | \$ 4980 |

(X) A check in the amount of \$4980 to cover the above fees is enclosed.

(X) The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

Rabinder N. Narula
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Attorney of Record
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/763,057 | 01/22/2004 | David L. Hagen | VAST.003A |

CONFIRMATION NO. 3720

FORMALITIES LETTER



OC000000012465195

20995
KNOBBE MARTENS OLSON & BEAR LLP
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07/28/2004 HDEMESS1 00000060 10763057

| | |
|------------|------------|
| 01 FC:1001 | 770.00 OP |
| 02 FC:1201 | 172.00 OP |
| 03 FC:1202 | 3798.00 OP |
| 04 FC:1051 | 130.00 OP |

Date Mailed: 04/28/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$3970** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$4870** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.

- Total additional claim fee(s) for this application is **\$3970**
 - **\$172** for **2** independent claims over 3.
 - **\$3798** for **211** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

MDuong

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE